

PLANS AND/OR CRITERIA PURSUANT TO K-F.1.0.1# - TEMPORARY ROAD AND LANDING
CONSTRUCTION (OPTION 1) (06/2008)

No plans or criteria are included. Contractor is required to supply plans and/or criteria to the Forest Service prior to beginning construction work.

*Forest Service sources are not available. Approximately 620 cubic yards of rock will be needed. All rock shall be from commercial sources. All materials incorporated into work from Contractor provided sources will be "weed free". The Contracting Officer may request written confirmation of methods utilized to insure weed-free status

TABLE A PURSUANT TO K-F.1.2# - USE OF ROADS BY CONTRACTOR. (9/2004)

Restricted Road List

Road Number	Road Name	Termini		Map Legend	Description of Restrictions
		From	To		
All Roads listed in K-F.3.1# and all Temporary Roads.				R	Road use for vehicles over 26,000 pounds GVWR shall be halted when rainfall exceeds 1.0 inch in 24 hours. This suspension shall be for 24 hours after the 1.0-inch rain event. Contractor shall monitor rainfall accumulation from a Remote Automated Weather Station (RAWS) location to be agreed upon at the Pre-work Meeting.
5842000	5842	0.0	1.2	U	Unsuitable for haul prior to completion of agreed reconstruction.

Title and Date of Governing Road Rules Document:

Siuslaw National Forest Road Rule
(Commercial Road Rules)

April 2012
(Effective Date)

TABLE PURSUANT TO K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS. (9/2004)

Contract Road Maintenance Requirements Summary

Road	Termini		Miles	Applicable Prehaul Road Maintenance Specifications											
	From	To		T-811	T-813	T-815	T-831	T-832	T-834	T-836	T-838	T-839	T-842	T-851	T-854
5842 Seg. 1	MP 0.85	MP 2.80	1.95	P	P		P	P	P			P	P	P	P
5842 Seg. 2	MP 2.80	MP 9.00	6.63	P	P		P	P	P		P		P	P	P
5842777 Seg. 1	MP 0.00	MP 0.8	0.80	P	P		P	P	P		P		P	P	P
5842777 Seg. 2	MP 0.8	MP 3.9	3.10	P	P		P	P	P			P	P	P	P
5842784	MP 0.00	MP 0.70	0.70	P	P		P	P	P			P	P	P	P
5842787	MP 0.00	MP 0.15	0.15	P	P		P	P	P			P	P	P	P
5842820	MP 0.00	MP 0.70	0.70	P	P		P	P	P			P	P	P	P
5842821	MP 0.00	MP 0.33	0.33	P	P		P	P	P			P	P	P	P
5842822	MP 0.00	MP 0.30	0.30	P	P		P	P	P			P	P	P	P

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable During Road Maintenance Specifications											
	From	To		T-811	T-813	T-815	T-831	T-832	T-834	T-836	T-838	T-839	T-842	T-851	T-854
5842 Seg. 1	MP 0.85	MP 2.80	1.95	P	P		P	P	P			P	P	P	P
5842 Seg. 2	MP 2.80	MP 9.00	6.63	P	P		P	P	P		P		P	P	P
5842777	MP 0.00	MP 0.8	0.80	P	P		P	P	P		P		P	P	P
5842777	MP 0.8	MP 3.9	3.10	P	P		P	P	P			P	P	P	P
5842784	MP 0.00	MP 0.70	0.70	P	P		P	P	P			P	P	P	P
5842787	MP 0.00	MP 0.15	0.15	P	P		P	P	P			P	P	P	P
5842820	MP 0.00	MP 0.70	0.70	P	P		P	P	P			P	P	P	P
5842821	MP 0.00	MP 0.33	0.33	P	P		P	P	P			P	P	P	P
5842822	MP 0.00	MP 0.30	0.30	P	P		P	P	P			P	P	P	P

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Road	Termini		Miles	Applicable Posthaul Road Maintenance Specifications											
	From	To		T-811	T-813	T-815	T-831	T-832	T-834	T-836	T-838	T-839	T-842	T-851	T-854
5842 Seg. 1	MP 0.85	MP 2.80	1.95	P	P		P	P	P			P	P	P	P
5842 Seg. 2	MP 2.80	MP 9.00	6.63	P	P		P	P	P		P		P	P	P
5842777	MP 0.00	MP 0.8	0.80	P	P		P	P	P		P		P	P	P
5842777	MP 0.8	MP 3.9	3.10	P	P		P	P	P			P	P	P	P
5842784	MP 0.00	MP 0.70	0.70	P	P		P	P	P			P	P	P	P
5842787	MP 0.00	MP 0.15	0.15	P	P		P	P	P			P	P	P	P
5842820	MP 0.00	MP 0.70	0.70	P	P		P	P	P			P	P	P	P
5842821	MP 0.00	MP 0.33	0.33	P	P		P	P	P			P	P	P	P
5842822	MP 0.00	MP 0.30	0.30	P	P		P	P	P			P	P	P	P

P = Contractor Performance Item, D = Deposit to Forest Service, D3 = Deposit to Third Party

Description of work required by the above listed T-specs is shown in the following ROAD MAINTENANCE REQUIREMENTS SPECIFICATION table, and included in the Contract.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION TABLE PURSUANT TO
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (9/2004)

1	2	3			4	5	6			7	8	9	
Road No. and Termini	Special Project Specifi- cation	Travel Way			Brush And Log Out	Surfacing	Dust Abatement			Seasonal Mainte- nance	Snow Removal	Post Haul	
		Width	X Slope	Comp			Product	Applic Rate	Width			Block	Treat
5842 SEG. 1 m.p. 0.85- 2.80	T835F12-1	EX	AI	A	2ft R&L	195 CY Grading A				W		P	P
5842 SEG. 2 m.p. 2.80- 9.00	T835F12-2	EX	AI	A	2ft R&L	640 CY Grading A				W			P
5842777 Seg. 1 m.p. 0.00 - 0.80	T835F12-2	EX	AI	A	2ft R&L	80 CY Grading A				W			P
5842777 Seg. 2 m.p. 0.80 - 3.9	T835F12-1	EX	AI	A	2ft R&L	340 CY Grading A				W		P	P
5842784 m.p. 0.0 - 0.7	T835F12-1	EX	AI	A	2ft R&L	70 CY Grading A				W		P	P
5842787 m.p. 0.0-0.15	T835F12-1	EX	AI	A	2ft R&L	20 CY Grading A				W		P	P
5842820 m.p. 0.0 - 0.7	T835F12-1	EX	AI	A	2ft R&L	40 CY Grading A				W		P	P
5842821 m.p. 0.0 - 0.33	T835F12-1	EX	AI	A	2ft R&L	40 CY Grading A				W		P	P
5842822 m.p. 0.0 - 0.3	T835F12-1	EX	AI	A	2ft R&L	30 CY Grading A				W		P	P
Water bars*						1150 Cy Grading Q							

* Waterbar rock is included to patch over bladed out existing water bars

1/ All materials incorporated into work from Contractor provided sources will be "weed free". The Contracting Officer may request written confirmation of methods utilized to insure weed-free status.

ROAD MAINTENANCE REQUIREMENTS SPECIFICATION CODES TABLE PURSUANT TO
K-F.3.1# - ROAD MAINTENANCE REQUIREMENTS (9/2004)

Column No.	Heading	Entry	Explanation
	Any	Blank	Except as otherwise described, no entry indicates Contractor is not authorized or required to perform the work item(s).
	Any	RC	This work requirement applies only when haul of Contract related construction materials occurs.
2	Special Project Specification	Number	Entry indicates Special Project Specification which applies.
3	Travel Way	EX	Contractor shall maintain the traveled way to the width existing upon entry, or at the completion of Specified Road work.
		Numbers	Contractor shall maintain the traveled way to the standard width indicated by the entry, plus curve widening, in accordance with Section T-811. If required, the road template shall be shaped to this width and to the designated cross slope before haul and during recurring maintenance.
		IS, C, OS, F, or AI	Cross slopes are designated as: IS (Inslope), C (Crown), OS (Outslope), F (Flat), AI (As Is).
		A or B	If compaction is required.
4	Brush and Log Out	Numeric & R and or L	Contractor shall remove brush for specified width on either or both the right (R) side or left (L) side of road.
		As Staked	Limits of brushing are as staked or marked in the field.
		OPT	Contractor may use hand or mechanical means of brushing.
		H	Only hand brushing may be used.
5	Surfacing	Aggregate Grading	Contractor shall place surfacing on roads listed according to the grading indicated.
		D	Contractor is to make deposits for listed road maintenance, including surface rock replacement.
6	Dust Abatement	OPT	Product selection is Contractor's choice from those listed in Section T-812.
		Product Abbr.	Unless otherwise agreed, Contractor is restricted to product listed corresponding to the abbreviation shown in Section T-812; (i.e., LigS = Lignon Sulfonate) Application rates are estimated amounts.
		EX	Contractor shall abate dust on the existing width
		Numbers	Contractor shall abate dust to the width indicated by entry.
7	Seasonal Maintenance	W	Waterbars and/or crossditching shall be required prior to expected seasonal precipitation.
		B	Entrance barriers shall be installed by Contractor prior to nonuse periods.
8	Snow Removal	TS	Snowplowing authorized for Contractor's Operations without recreation access being provided per Section T-803 requirements.
		JU	Snowplowing authorized, but must provide for recreation joint use per Section T-803 requirements.
		Blank	Snowplowing is not authorized. Forest Service may authorize plowing by permit when not in conflict with other uses.
9	Post Haul	P	P denotes that work is Contractor's Responsibility to perform.

SCHEDULE PURSUANT TO K-G.3.1.5# - PROJECT OPERATION SCHEDULE (05/2005)

Subdivision	Operating Conditions	Purpose
R/W	<u>All ditch clean-out or brushing with ground disturbing equipment shall be restricted to June 15 through October 15.</u>	<u>2/</u>
All	Installing and removing in-stream culverts shall be restricted to July 1 through September 15.	<u>2/</u>
All	<u>All road brushing on system roads not subject to T-836, T-838, or T-839 in K-F.3.1# shall be restricted to June 1 through September 15.</u>	<u>3/</u>
All	<u>Road Construction/Reconstruction (including Temporary Roads) and landing construction shall be restricted to July 1 through October 15.</u>	<u>2/</u>
All	<u>If included in your Technical Proposal and accepted by the Forest Service, ground based felling, yarding and machine piling is restricted to June 15 through October 15.</u>	<u>2/</u>
1,2,3	<u>Hourly Restrictions: All operations, except haul, that are within 100 yards of mature or old growth forest* and involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset.**</u> <u>Felling and yarding and machine piling within 100 yards of mature or old growth forest* shall be restricted to August 6 through March 31.</u> <u>Haul-Move-in/out: no restrictions on system roads; all temporary roads shall be restricted to June 15 to October 15.</u>	<u>1/</u> <u>1/</u> <u>2/</u>
4,5,11	<u>Hourly Restrictions: All operations, except haul, that are within 100 yards of mature or old growth forest* and involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset.**</u> <u>Felling and yarding and machine piling within 100 yards of mature or old growth forest* shall be restricted to August 6 through March 31.</u> <u>Haul-Move-in/out: no seasonal restrictions.</u>	<u>1/</u> <u>1/</u>
6	<u>Hourly Restrictions: All operations, except haul, that are within 100 yards of mature or old growth forest* and involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset.**</u> <u>Felling and yarding and machine piling: no seasonal restrictions.</u> <u>Haul-Move-in/out: shall be restricted to June 15 to October 15.</u>	<u>1/</u> <u>2/</u>

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SCHEDULE PURSUANT TO K-G.3.1.5# - PROJECT OPERATION SCHEDULE (05/2005)

7,10	<p><u>Hourly Restrictions:</u> All operations, except haul, that are within 100 yards of mature or old growth forest* and involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset.**</p> <p><u>Felling and yarding and machine piling:</u> no seasonal restrictions.</p> <p><u>Haul-Move-in/out:</u> no restrictions on system roads; all temporary roads shall be restricted to June 15 to October 15.</p>	<p><u>1/</u></p> <p><u>2/</u></p>
8,9	<p><u>Hourly Restrictions:</u> All operations, except haul, that are within 100 yards of mature or old growth forest* and involve use of heavy equipment or power-tools (such as chainsaws) shall be restricted between April 1 and September 15 to two hours after sunrise to two hours before sunset.**</p> <p><u>Felling and yarding and machine piling:</u> no seasonal restrictions.</p> <p><u>Haul-Move-in/out:</u> no seasonal restrictions.</p>	<p><u>1/</u></p>

1/ To minimize disturbance to Marbled Murrelets or Spotted owls during the nesting season that are within 100 yards of mature or old growth forest* and involve use of heavy equipment or power-tools (such as chainsaws)

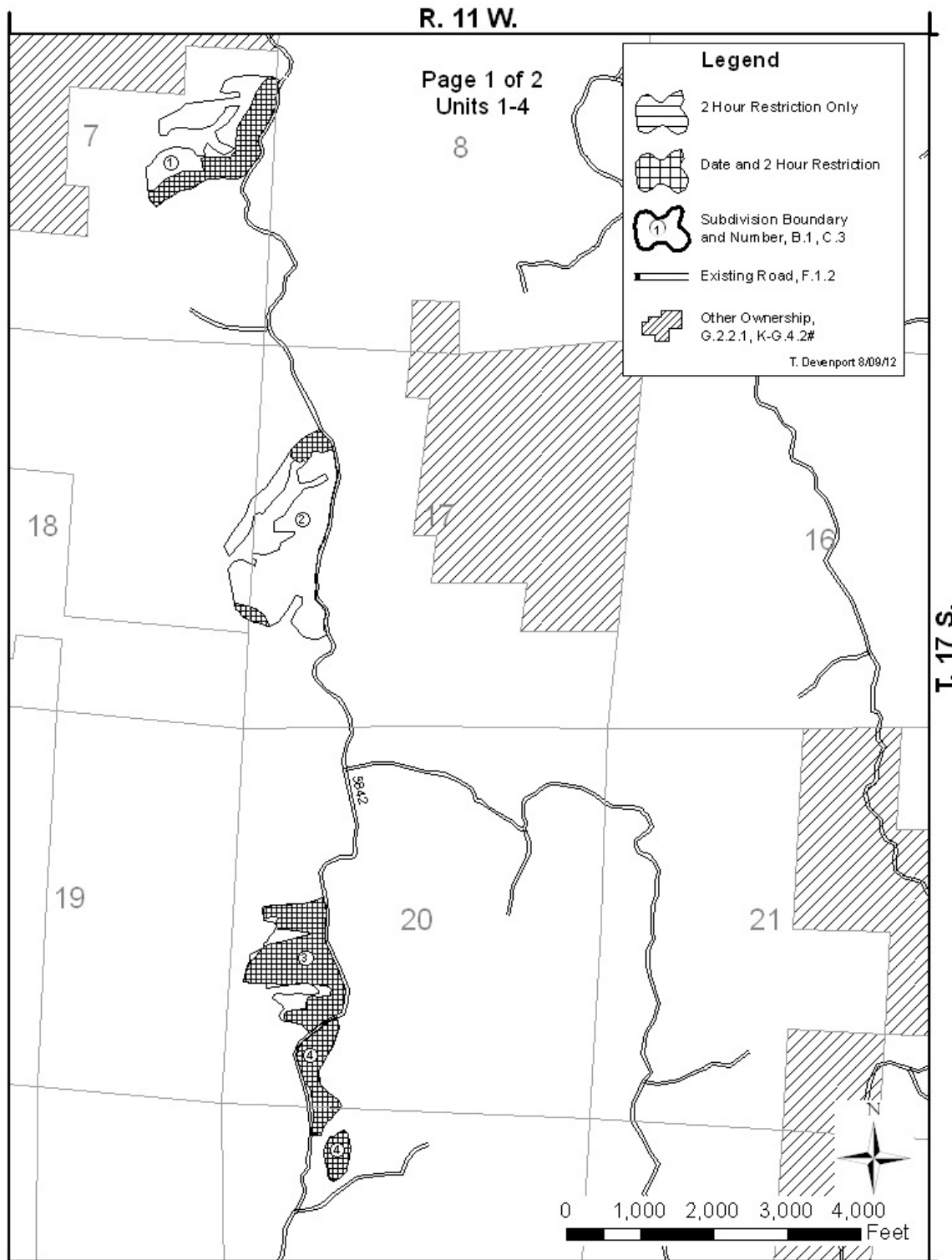
2/ To minimize streamcourse sedimentation due to wet weather operations.

3/ To maximize the effectiveness of brushing along the haul route.

* See the following maps for subdivisions or portions of subdivisions that fall approximately within the 100 yards of mature or old growth forest (restricted areas).

** When the subdivision is within 100 yards of mature or old-growth forest but the Date Restriction is waived, the Hourly Restriction still applies.

MAP OF RESTRICTED AREAS PURSUANT TO K-G.3.1.5# - PROJECT OPERATION SCHEDULE
(05/2005)



MAP OF RESTRICTED AREAS PURSUANT TO K-G.3.1.5# - PROJECT OPERATION SCHEDULE
(05/2005)

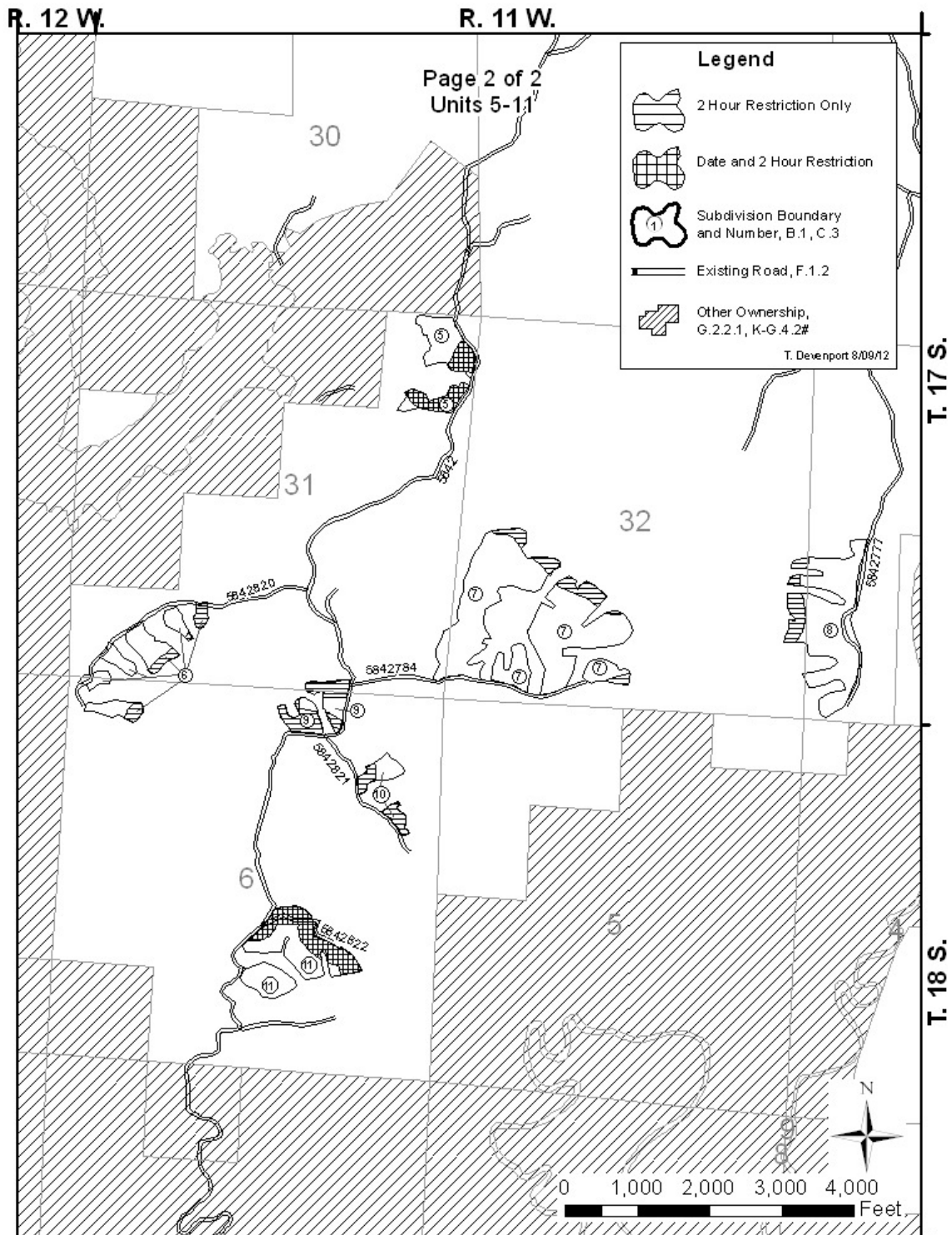


TABLE PURSUANT TO K-G.4.1# - SPECIFIC REQUIREMENTS (05/2005)FELLING METHODS

Trees shall be felled away from paved roads, private property, Streamcourses, buffers, and leave areas, and to the lead of cable corridors and ground-based skid roads. Any tree that falls in a Streamcourse or a buffer shall be left in place, unless otherwise approved by the Forest Service for removal.

SUBDIVISIONS

All

FELLING EQUIPMENT

Mechanical felling machinery may be used on portions of subdivisions where ground based yarding is part of your Technical Proposal and accepted by the Forest Service.

SUBDIVISIONS

All

TABLE PURSUANT TO K-G.4.2# - YARDING/SKIDDING REQUIREMENTS (05/2005)

YARDING/SKIDDING REQUIREMENTS	SUBDIVISIONS
<p>If included in your Technical Proposal and accepted by the Forest Service, a skyline system must be capable of:</p> <ul style="list-style-type: none"> • keeping one end of the log suspended during inhaul (logs may drag on the ground within 100 feet slope distance of tailholds and 50 feet slope distance of landings). • lateral yarding up to 100 feet • downhill yarding • operating in a multi-span configuration • keeping the entire length of logs fully suspended above the ground 50 feet each side of the streamcourse during inhaul when yarding across streamcourses <p>Skyline corridors/cableways:</p> <ul style="list-style-type: none"> • location shall be approved in advance of felling operations • maximum width of 12 feet • minimum spacing of 120 feet at the far end • no more than 20 percent of the canopy would be removed in any given 1,000-foot reach of stream when passing through riparian buffers. 	All
<p>If contractor chooses to tailhold on private land or land under other ownership, prior to the start of operation in those subdivisions, contractor will have to get written permission from the landowner and provide the Forest Service with a copy of the written permission.</p>	All
<p>If included in your Technical Proposal and accepted by the Forest Service, a ground-base machine must be capable of keeping one end of the log suspended during skidding.</p> <p>Skid trails:</p> <ul style="list-style-type: none"> • location of skid trails shall be agreed upon prior to construction and prior to felling • maximum width of 15 feet • average trail spacing of 100 feet <p>The ground-base machine will not be allowed on slopes greater than 30 percent. Where practical, machine shall travel on slash.</p>	All
<p>The tops shall be severed or broken off from at least 20 percent of the felled trees prior to yarding. These severed or broken tops shall be left on site (not yarded or removed) scattered over 80 percent of the cutting unit. A top is defined as that portion of the tree 6 inches DIB or smaller on the large end.</p>	All

APPLICATION SCHEDULE PURSUANT TO K-G.6.0# - EROSION CONTROL AND SOIL
TREATMENT BY CONTRACTOR (05/2005)

	AREAS	SEED		FERTILIZER		MULCH	
SUBDIVISION OR SUBDIVISION NUMBER	A) SKID TRAILS B) FIRELINES C) TEMP. ROADS D) LANDINGS E) OTHER	APPLICATION		APPLICATION		APPLICATION	
		SPECIES MIXTURE	LBS/AC	TYPE	LBS/AC	TYPE	LBS/AC
All	A, C, D	1/	22	None		None	

1/ Blue Wild Rye grass seed will be provided by the Forest Service for the Contractor to use. A co-op deposit of \$0.03/Ton will be collected from the Contractor to cover the cost of culturing, growing, and harvesting seed for use in future contracts.

SPECIFICATIONS PURSUANT TO K-G.7.4.2# - SLASH TREATMENTS REQUIREMENTS
(Option 2) (06/2008)

CONSTRUCTION SLASH. Unless otherwise agreed, all slash as defined in K-G.7 - Slash Disposal, shall be treated.

SPECIFIC DISPOSAL METHOD. Contractor shall pile or scatter all construction slash. Scattering of construction slash shall be outside the Temporary Road clearing limits without damaging trees. All logs shall be limbed. Logs and stumps shall be placed away from trees, positioned so they will not roll, and not be placed on top of one another. Piling of construction slash shall be in accordance with Machine Pile Landings Method of Treatment and Location of Piles below.

In no event will Construction Slash be buried under Temporary Road or landing embankments.

MACHINE PILE LANDINGS

1. AREA SUBJECT TO THIS PROVISION. All landings and the area within 20 feet of the perimeter of landings shall be machine piled.

2. METHOD OF TREATMENT. Unless otherwise agreed, all slash as defined in K-G.7 - Slash Disposal shall be treated as per Method a, Method b, or Method c below.

Method a: All slash other than those specified pieces described in Method b below shall be placed in a compact, dirt free, uniform pile for later disposal by the Forest Service. The pieces shall be placed so that shifting or rolling will not occur and so that no material will extend over the edge of disposal areas. Piles shall be no higher than 15 feet.

Method b: All pieces meeting green biomass convertible specifications and longer than 10 feet shall be placed in a separate pile(s). The pieces in the pile shall be placed parallel to each other similar to log decks, and placed where shifting and rolling will not occur. Unless otherwise agreed, these piles shall be no higher than 6 feet.

Method c: All slash other than that described above in Method b shall be scattered across landings, temporary roads, skid trails, yarding corridors, or other openings in the immediate area, as designated by Forest Service Contract Administrator. Scattering shall be accomplished in a manner to avoid windrows or piling and shall not exceed a depth of 1 foot from natural forest floor or road/landing surface.

3. LOCATION OF PILES.

a. Piles as defined in Method a above, shall be located in the center of openings near or on the landings and as far as possible away from residual trees. Unless otherwise agreed, the base of the piles shall be no closer than 10 feet from bole or drip line?? of standing trees. Slash which cannot be piled as per these specifications, will be required to be hauled to a disposal site as designated by the Forest Service.

b. Piles as defined in Method b above, shall be located in agreed upon openings near the landing area adjacent to the road system and be located at least 10 feet away from the slash pile as defined in a Location of Piles "a" above. These piles can be placed no closer than one foot to standing trees.

4. TIMING OF PILES. Piling of slash shall be done concurrent with yarding on each landing, or within 10 days of completion of yarding on each landing.

SPECIFICATIONS PURSUANT TO K-G.7.4.2# - SLASH TREATMENTS REQUIREMENTS
(Option 2) (06/2008)

5. COVERING PILES. During the construction of each pile, a 100 sq ft (10'x10') piece of 4 ml polyethylene plastic shall be placed on top of the pile when the pile is 2/3 of the way built. The remaining 1/3 of the slash shall be placed on top of the plastic. Kraft-waterproof paper or other similar product may be substituted for the 4 ml plastic.

STEWARDSHIP PROJECTS PURSUANT TO K-G.9# - STEWARDSHIP PROJECTS (09/2004)

Project #1: **Small Tree Topping** - see attached project description and specifications.

Project #2: **Mature Tree Topping** - see attached project description and specifications.

Project #3: **Scalp, Gap Plant and Tree Protection, Upland Areas** - see attached project description and specifications.

Project #4: **Scalp, Underplant and Tree Protection, Upland Areas** - see attached project description and specifications.

Project #5: **Robert's Geranium Treatment** - see attached project description and specifications.